Diese Website verwendet Cookies von Google, um Dienste anzubieten und den Traffic zu analysieren. Deine IP-Adresse und dein User-Agent werden zusammen mit Messwerten zur Leistung und Sicherheit für Google freigegeben. So können Nutzungsstatistiken generiert, Missbrauchsfälle erkannt und behoben und die Qualität des Dienstes gewährleistet werden.

WEITERE INFORMATIONEN OK

An unending variety of topics

Tuesday, July 31, 2007

Mobile redundancy

Orbital Express has demonstrated a number of interesting techniques of great long-term importance, such as the automated refueling of spacecraft. (Here is the biggest long-term reason why automated and on-orbit assembly and refueling are important). But the mission also demonstrated the feasibility of an idea that is probably also of great but nearer-term importance, which I call mobile redundancy. The idea is that if one has a constellation of standard satellites, redundancy can be provided with mobile spare parts rather than by building on-board redunancy into each satellite as is done now. This could result in a large overall savings in weight launched per year of useful satellite lifetime.

Posted by Nick Szabo at 2:51 PM

1 comment:

Ned Hughes said...

Thank you for the information. This is a really interesting section of the technological field, since it's the heart of so much.

4:08 PM

Post a Comment

Newer Post Home Older Post

Subscribe to: Post Comments (Atom)

Pages

- Home

About Me

Nick Szabo

"A premier thinker about history, law and economics, and the lessons they have for security." -- Adam Shostack, Emergent Chaos

"Szabo comes out with these essays that leave me in awe." -- Brian Dunbar

"Reading material that is eclectic, challenging and endlessly fascinating." -- Sean McGrath, Propylon

"Like most blogs worth my attention, this blog is updated only infrequently. That is because the authors of blogs worth my attention only post when they have something to say that is true, relevant and not already known by their audience. Most of the human race does not have the skill to know when an idea has these three properties. The skill is particularly rare in the fields of politics and economics, which is why this blog is such a rare and valuable thing." -- Richard Hollerith

View my complete profile

Blog Archive

- ► 2018 (1)
- ► 2017 (3)
- ► 2016 (4)
- ► 2015 (3)
- ► 2014 (3)
- ► 2013 (3)
- ► 2012 (8)
- ► 2011 (12)
- ► 2010 (9)
- ► 2009 (29)
- ► 2008 (55)
- ▼ 2007 (47)
  - ► December (1)
  - ► October (2)
  - ► September (8)
  - ► August (10)
  - ▼ July (4)
    - Mobile redundancy
    - Hohfeld without "the state"
    - Quo Warranto and the Presumption of Nonauthority
    - The origins of dialectics and the hubris of Hegel ...
  - ► June (4)
  - ► May (8)
  - ► April (1)
  - ► March (2)
  - ► February (4)
  - ► January (3)
- ► 2006 (130)
- ► 2005 (44)

Simple theme. Powered by Blogger.